Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450



or <u>Fax</u>

(703) 746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

indicated unless corrected maintenance fee notification	below or directed otherwise ns.	in Block 1, by (a) specifying	a new co	rrespondence address;	and/or (b) indicating a sepa	arate "FEE ADDRESS" for			
CURRENT CORRESPONDENCE	CE ADDRESS (Note: Legibly mark-up	with any corrections or use Block 1)		Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.					
7	590 03/03/2004		į						
	APIRO MORIN & C	SHINSKY I I P	•		tificate of Mailing or Trans				
Steven I. Weisburg		OIPE		hereby certify that th	is Fee(s) Transmittal is bein	g deposited with the United			
41st Floor	-	/		I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile					
1177 Avenue of th		[7]	1	transmitted to the USPTO, on the date indicated below.					
New York, NY 10	i	MAY 2 6 2004 بر		(Depositor's name)					
	\-					(Signature)			
		CALL THE REAL PRINCES	Į			(Date)			
APPLICATION NO.	FILING DATE	FIRST NAME	D INVENT	OR	ATTORNEY DOCKET NO.	CONFIRMATION NO.			
10/098,681	03/14/2002	Makoto	Watanabe		X2278.0037/P001	5149			
TITLE OF INVENTION: L	JOUID CRYSTAL DISPLA	Y APPARATUS WITH ADDR	RESS MAI	RKS CONNECTED T	O CONNECTIONS				
APPLN, TYPE	SMALL ENTITY	ISSUE FEE	PU	BLICATION FEE	TOTAL FEE(S) DUE	DATE DUE			
nonprovisional	NO	\$1330	<u> </u>	\$300	\$1630	06/03/2004			
				A GO GLIDGE A GO	1				
	MINER	ART UNIT		ASS-SUBCLASS	J				
CHUNG,	DAVID Y	2871		349-139000					
1. Change of correspondence CFR 1.363).	ce address or indication of "Fe			the patent front page,		in Outside Modin & Composit \$1.5			
•	lance address (or Change of (accents A		registered patent at tively, (2) the name	of a single	in, shapiro, morin & Oshinsky, llp			
Address form PTO/SB/1	lence address (or Change of C 22) attached.	firm (hav	ing as a	member a registered	attorney or 2				
"Fee Address" indicat	ion (or "Fee Address" Indicat	tion form		nes of up to 2 registers. If no name is lister					
Number is required.	or more recent) attached. Use	e of a Customer will be pr			, 3 <u></u>	^2			
3. ASSIGNEE NAME ANI	D RESIDENCE DATA TO B	E PRINTED ON THE PATEN	T (print o	r type)					
		low, no assignee data will appossibmitted under separate cover.	_		ssignee data is only appropri	ate when an assignment has			
been previously submitte (A) NAME OF ASSIGN				on of this form is NOT and STATE OR COT		signment.			
NEC L	.CD lech	nologies, L	ta	. — Ka	inagawa	Japan			
		ories (will not be printed on the			corporation or other private g				
4a. The following fee(s) are		4b. Payment o		- morridaer Ac	orporation or outer private g	Toup ontry a government			
Issue Fee		•	` '	ount of the fee(s) is end	closed.				
Publication Fee	(15) 10			card. Form PTO-2038					
Advance Order - # of	11111-77				narge the required fee(s), or				
<u>/ ` </u>		Deposit Ac			(enclose an extra c				
Director for Patents is reque	ested to apply the Issue Fee an	nd Publication Fee (if any) or to	o re-apply	any previously paid is	ssue fee to the application ide	entified above.			
(Authorized Signature)	7.1	(Date) —							
Edward 6	Malan	nS/26/2	074						
NOTE; The Issue Fee an	d Publication Fee (if requir	ed) will not be accepted from	anyone						
other than the applicant;		ent; or the assignee or other		f					
This collection of inform	ation is required by 37 CFR	1.311. The information is req	uired to	(s 05/27/2004	GWDRDOF2 00000125 10	098681			
obtain or retain a benefit application. Confidentialit	by the public which is to fi ty is governed by 35 U.S.C. 1	ile (and by the USPTO to pro 122 and 37 CFR 1.14. This coll-	cess) an ection is	01 FC:1501		1330.00 OP			
estimated to take 12 minu	ites to complete, including grow to the USPTO. Time will	athering, preparing, and submit	tting the	9 02 FC:1504 03 FC:8001		300.00 OP			
case. Any comments on	the amount of time you	require to complete this form	and/or	; va rc:600)		30.00 OP			
Patent and Trademark	Office, U.S. Department	require to complete this form to the Chief Information Offic of Commerce, Alexandria, TED FORMS TO THIS AD	Virginia						
SEND TO: Commissioner	SEND FEES OR COMPLE r for Patents, Alexandria, Virg	ginia 22313-1450.	レベビシシ.						

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

MAY 2 6 2004

PTO/SB/17 (10-03)

Approved for use through 7/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Experior Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## Applicant Calms small entity status. See 37 CFR 1.27 ### Applicant Calms small entity status. See 37 CFR 1.27 ### TOTAL AMOUNT OF PAYMENT (#) 1.660.00 ### More Deposit Account:	CEE TO ANOMITTAL			Complete if Known						
TOT FY ZUU44 First Named Inventor Makoto Watanabe	FEE IRANSIIIII IAL	-	Application Number 10/098,681-Conf. #5149							
Applicant claims small entity status. See 37 CFR 1.27 Art Unit. 2871 Art Unit. 2871 Applicant claims small entity status. See 37 CFR 1.27 Art Unit. 2871 Art Unit. 2	for EV 2004		Filing Date			March 14, 2002				
Applicant claims small entity status. See 37 CFR 1.27 TOTAL AMOUNT OF PAYMENT (\$) 1,660.00 Attorney Docket No. X2278.0037/P037 METHOD OF PAYMENT (check all that apply) Check X Coredi Money Order of Noter No. X2278.0037/P037 METHOD OF PAYMENT (check all that apply) Check X Coredi Money Order of Noter No. X2278.0037/P037 METHOD OF PAYMENT (check all that apply) Charge Entity Small Entity Fee Fee Fee Fee Fee Fee Fee Paid Code (8) Code (8) Code (8) Charge fee(s) indicated below X Credit any overpayments of entity of Shirtsky LLP 1052 50 2052 25 Surcharge – late provisional filling fee or code sheet. X Charge any additional fee(s) or any underpayment of entity of Shirtsky LLP 1054 520 50 2052 25 Surcharge – late provisional filling fee or code sheet. X Charge fee(s) indicated below, a scept for the filling fee 1064 520 169 5 Non-English specification 1074 200 169 5 Utility filling fee 1085 1,840 1865 1,840 Requesting publication of SIR after Examine action 1085 1,840 1865 1,840 Requesting publication of SIR after Examine action 1085 1,840 1865 1,840 Requesting publication of SIR after Examine action 1085 1,840 1865 1,840 Requesting publication of SIR after Examine action 1085 1,840 1865 1,840 Requesting publication of SIR after Examine action 1085 1,840 1865 1,840 Requesting publication of SIR after Examine action 1085 1,840 1865 1,840 1865 1,840 Requesting publication of SIR after Examine action 1085 1,840 1865 1,840	-					ntor Makoto Watanabe				
TOTAL AMOUNT OF PAYMENT (s) 1,660.00 Attorney Docket No. X2278.0037/P037 METHOD OF PAYMENT (check all that apply) Check X Credit Money Order of Payment (check all that apply) Check X Credit Money Order of Payment (check all that apply) Cheposit Account: Large Entity Small Entity The Director is authorized to (check all that appl) Charge fee(s) Indicated below X Credit any overpayments (so 130 205 165 Surcharge – late filing fee or coter sheet. X Charge any additional fee(s) or any underpayment of fee(s) Charge fee(s) Indicated below, except for the filing fee 1004 \$20^* 1804 920* Requesting publication of SIR giner to Extension for regly within first month for regl	Effective 10/01/2003, Patent fees are subject to annual revision.					D. Y. Chung				
TOTAL AMOUNT OF PAYMENT (s) 1,660.00 Attorney Docket No. X2278.0037/P037 METHOD OF PAYMENT (check all that apply) Check X Credit Money Order of Payment (check all that apply) Check X Credit Money Order of Payment (check all that apply) Cheposit Account: Large Entity Small Entity The Director is authorized to (check all that appl) Charge fee(s) Indicated below X Credit any overpayments (so 130 205 165 Surcharge – late filing fee or coter sheet. X Charge any additional fee(s) or any underpayment of fee(s) Charge fee(s) Indicated below, except for the filing fee 1004 \$20^* 1804 920* Requesting publication of SIR giner to Extension for regly within first month for regl	Applicant claims small entity status. See 37 CFR 1.27		0074			2871				
METHOD OF PAYMENT (check all that apply) Substitution Substi	<u></u>		74t Olit							
Check X Credit Shorey Other None Deposit Account										
Deposit Account: See Fee Fee Fee Fee Fee Fee Fee Fee Fee		-	FEE CALCULATION (continued)							
Large Entity Small Entity Smal	Card Order Note 3. ADDITIONAL FEES									
Social S		Larg	e Entity			_				
Charge fee(s) indicated below.	Account 50-2215					Fee Description Fee Paid				
Charge fee(s) indicated below X Credit any overpayments 1053 130 1053		1051	130	2051	65	Surcharge – late filing fee or oath				
Charge fee(s) indicated below X Creat any overpayments 1603 130 1053 130 1		1052	50	2052	25					
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.		1053	130	1053	130					
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	X Charge any additional fee(s) or any undernayment of fee(s)	1812	2,520	1812	2,520	For filing a request for ex parte reexamination				
1805 1,840 1,840 1			•			Requesting publication of SIR prior to				
1. BASIC FILLING FEE 110 2251 55 Extension for reply within first month 1252 420 2252 210 Extension for reply within in first month 1253 41,480 2254 740 Extension for reply within in first month 1254 1,480 2254 740 Extension for reply within infer month 1255 2,010 2255 740 Extension for reply within infer month 1255 2,010 2255 740 Extension for reply within infer month 1401 330 2401 165 Notice of Appeal 1401		1805	1,840*	1805	1,840*	Requesting publication of SIR after				
1. BASIC FILING FEE 1252 420 2252 210 Extension for reply within second month 1253 950 2253 475 Extension for reply within third month 1253 950 2253 475 Extension for reply within fourth month 1253 950 2253 475 Extension for reply within fourth month 1253 950 2253 475 Extension for reply within fourth month 1253 950 2253 475 Extension for reply within fourth month 1253 950 2253 475 Extension for reply within fourth month 1253 950 2253 475 Extension for reply within fourth month 1253 950 2253 1,005 Extension for reply within first month 1253 950 2253 1,005 Extension for reply within first month 1253 950 2253 1,005 Extension for reply within first month 1253 950 2253 1,005 Extension for reply within first month 1253 950 2253 1,005 Extension for reply within first month 1253 950 2253 1,005 Extension for reply within first month 1253 950 240 240 145 Filing a brief in support of an appeal 1403 290 2403 145 Filing a brief in support of an appeal 1403 290 2403 145 Filing a brief in support of an appeal 1453 1,330 2453 1,330 2453 1,330 2453 1,330 2453 1,330 2453 1,330 2453 1,330 2453 1,330 2453 1,330 2453 1,330 2	FEE CALCULATION	1251	110	2251	55					
Fee Gode (\$) Shulliple Gode (\$) Shulliple Gode (\$) Shulliple Gode (\$) Shulliple Sh		1252	420	2252	210	Extension for reply within second month				
125 1,400 225 1,400 225 1,005 Extension for reply within fifth month 125 1,005 125 1,005 Extension for reply within fifth month 125 1,005 125 125 1,005 125 125 1,005 125 125 1,005 125 125 1,005 125 125 1,005 125 125 125 1,005 125 125 125 1,005 125 125 1,005 125	Large Entity Small Entity	1253	950	2253	475	Extension for reply within third month				
1001 770 2001 385 Utility filing fee 1401 330 2401 165 Notice of Appeal 1402 330 2402 165 Notice of Appeal 1403 230 2402 165 Notice of Appeal 1403 230 2402 165 Notice of Appeal 1403 230 2403 145 Notice of Appeal 1403 2303 2403 145 Notice of Appeal 1403 2403 145 Notice of Appeal 1404 1		1254	1,480	2254	740	Extension for reply within fourth month				
1003 530 2003 265 Plant filling fee 1402 330 2402 165 Filling a brief in support of an appeal 1004 770 2004 385 Reissue filling fee 1403 290 2403 145 Request for oral hearing 1405 1,510 1451 1,510 Petition to Institute a public use proceeding 1451 1,510 1451 1,510 Petition to revive – unavoidable 1453 1,330 250 2452 55 Petition to revive – unavoidable 1453 1,330 250 2453 665 Detition to revive – unavoidable 1502 1453 1,330 250 250 240 Design issue fee 1501 1,330 250 250 240 Design issue fee 1502 1,330 250 250 240 Design issue fee 1503 1,300 250 1605 Utility issue fee 1503 1,300 250 250 240 Design issue fee 1503 1,300 250 250 240 Design issue fee 1503 1,300 250 2		1255	2,010	2255	1,005	Extension for reply within fifth month				
1004 770 2004 385 Reissue filing fee 1403 290 2403 145 Request for oral hearing 1451 1,510 14	1002 340 2002 170 Design filing fee	1401	330	2401	165	Notice of Appeal				
SUBTOTAL (1) (\$) 0.00 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1452 110 1452 110 1453 1,330 1453 1,350 1453 1,330 1,330 1453 1,330 1,330 1453 1,330 1,330 1453 1,330 1,330 1453 1,330 1,330 1453 1,330 1,330 1453 1,330 1,330 1,330 1453 1,330 1,330 1,330 1,330 1,330 1,330 1,330 1,330 1,330 1,330 1,330 1,330 1,330 1,330 1,330 1,330 1,330 1,330 1,	1003 530 2003 265 Plant filing fee	1402	330	2402	165	Filing a brief in support of an appeal				
SUBTOTAL (1) (\$) 0.00	1004 770 2004 385 Reissue filing fee	1403	290	2403	145	Request for oral hearing				
SUBTOTAL (1) (\$)	1005 160 2005 80 Provisional filing fee				•					
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE Extra Fee from Fee Paid below 1502 480 2502 240 Design issue fee 1502 480 2502 240 Design issue fee 1502 1503 340 2503 320 Plant issue fee 1502 1503 340 2503 320 Plant issue fee 1503 1460 130 Petitions to the Commissioner 1503 1807 50 Processing fee under 37 CFR 1.17(q) 1504 1505 1	SUBTOTAL (1) (\$) 0.00									
Extra Fee from Fee Paid 1502 480 2502 240 Design issue fee		-								
Total Claims 16 -20** =	Extra Fee from			1		· · · · · · · · · · · · · · · · · · ·				
Independent Claims Multiple Dependent Large Entity Small Entity Fee Fee Fee Fee Code (\$) 1806 180 1806 180 Submission of Information Disclosure Stmt Recording each patent assignment per property (times number of properties) 1806 180 1806 180 Submission of Information Disclosure Stmt Recording each patent assignment per property (times number of properties) 1806 180 1806 180 Submission of Information Disclosure Stmt Recording each patent assignment per property (times number of properties) 1807 70 2809 385 Filing a submission after final rejection (37 CFR 1.129(a)) 1808 1809 770 2809 385 For each additional invention to be examined (37 CFR 1.129(b)) 1809 770 2810 385 Request for Continued Examination (RCE) 1809 1802 900 1802 900 Request for expedited examination of a design application 1800 180 180 180 Submission of Information Disclosure Stmt 1809 770 2809 385 For each additional invention to be examined (37 CFR 1.129(b)) 1810 770 2810 385 Request for Continued Examination (RCE) 1800 180 180 180 Submission of Information Disclosure Stmt 1800 180 180 180 Submission of Information Disclosure Stmt 1800 180 180 180 180 Submission of Information Disclosure Stmt 1800 180 180 180 180 Submission of Information Disclosure Stmt 1800 180 180 180 180 Submission of Information Disclosure Stmt 1800 180 180 180 180 Submission of Information Disclosure Stmt 1800 180 180 180 180 180 180 180 180 180						<u> </u>				
Claims Multiple Dependent = 1807 50 1807 50 Processing fee under 37 CFR 1.17(q) Large Entity Small Entity Fee Fee Fee Fee Fee Fee Fee Description 8021 40 8021 40 Recording each patent assignment per property (times number of properties) 1202 18 2202 9 Claims in excess of 20 1809 770 2809 385 Filling a submission after final rejection (37 CFR 1.129(a)) 1203 290 2203 145 Multiple dependent claims, if not paid 1204 86 2204 43 Reissue independent claims over original patent 0205 18 2205 9 Reissue claims in excess of 20 1802 900 1802 900 1802 900 Request for Continued Examination (RCE) or and over original patent 1802 900 1802 900 Request for expedited examination of a design application Printed copy of patent w/o color, Publication of a design application 900 Printed Copy of patent w/o color, Publication 1504 publication 1504 publication 1504 Publication 1504 Publication 1504 Printed Copy of patent w/o color, Publication 330.00 Printed Copy of patent w/o color, Publication 1504 Pu	Independent III									
Large Entity Small	Claims	1								
Fee										
1202 18 2202 9 Claims in excess of 20 1201 86 2201 43 Independent claims in excess of 3 1203 290 2203 145 Multiple dependent claims over original patent 1204 86 2204 43 ** Reissue independent claims over original patent 1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent SUBTOTAL (2) (\$) 0.00 ***or number previously paid, if greater; For Reissues, see above SUBMITTED BY Name (Print/Type) Edward A. Meilman Registration No. (Attorney/Agent) Registration No. (Attorney/Agent) 1809 770 2809 385 Filing a submission after final rejection (37 CFR 1.129(a)) 1809 770 2809 385 Filing a submission after final rejection (37 CFR 1.129(a)) 1810 770 2810 385 For each additional invention to be examined (37 CFR 1.129(b)) 1810 770 2810 385 Request for Continued Examination (RCE) 1802 900 1802 900 1802 900 1802 900 Request for expedited examination of a design application Printed copy of patent w/o color; Publication fee for early, voluntary, or normal publication 130.00 *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 1,660.00	Fee Fee Fee Fee Fee Description					Recording each patent assignment per				
1201 86 2201 43 Independent claims in excess of 3 1203 290 2203 145 Multiple dependent claims over original patent 1204 86 2204 43 ** Reissue independent claims over original patent 1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent 1206 18 2205 9 ** Reissue claims in excess of 20 and over original patent 1207 18 2205 9 ** Reissue claims in excess of 20 and over original patent 1208 18 2205 9 ** Reissue claims in excess of 20 and over original patent 1209 1802 900 1802 900 Request for expedited examination of a design application Printed copy of patent w/o color; Publication fee for early, voluntary, or normal publication 1209 1800 1800 1800 1800 1800 1800 1800 18	1202 18 2202 9 Claims in excess of 20	1			385	Filing a submission after final rejection				
1204 86 2204 43 ** Reissue independent claims over original patent over original patent 1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent 1504 1504 1504 1504 1504 1504 1504 1504	· ·	1			205	· · · · · · · · · · · · · · · · · · ·				
over original patent 1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent 1802 900 1802 900 Request for expedited examination of a design application Printed copy of patent w/o color; Publication fee for early, voluntary, or normal publication *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 1,660.00 **or number previously paid, if greater; For Reissues, see above SUBMITTED BY (Complete (if applicable)) Registration No. (Attorney/Agent) Registration No. (Attorney/Agent) (Attorney/Agent) 7 Telephone (212) 896-5471	· · · · · · · · · · · · · · · · · · ·									
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent Other fee (specify) SUBTOTAL (2) (\$) 0.00 *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 1,660.00 *Reduced by Basic Filing Fee Paid Complete (if applicable)) Name (Print/Type) Edward A. Meilman Registration No. (Attorney/Agent) Registration No. (Attorney/Agent) A 1602 900 of a design application Printed copy of patent w/o color; Publication fee for early, voluntary, or normal publication SUBTOTAL (3) (\$) 1,660.00 *Registration No. (Attorney/Agent) Registration No. (Attorney/Agent) Telephone (212) 896-5471						· · · · · · · · · · · · · · · · · · ·				
SUBTOTAL (2) (\$) 0.00 *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 1,660.00 *SUBMITTED BY (Complete (if applicable)) Registration No. (Attorney/Agent) 24,735 Relevance (Specify) 1504 fee for early, voluntary, or normal publication publication (\$\frac{3}{2}\$) (\$\frac{3}\$) (\$\frac{3}{2}\$) (\$\frac{3}{2}\$) (\$\frac{3}{2}\$) (\$\frac{3}{2}\$) (\$\f	1205 18 2205 9 ** Reissue claims in excess of 20	1802	900	1802	900	of a design application				
**or number previously paid, if greater; For Reissues, see above SUBMITTED BY (Complete (if applicable)) Name (Print/Type) Edward A. Meilman Registration No. (Attorney/Agent) (Attorney/Agent) 24,735 Telephone (212) 896-5471	and over onginal patent	Other	Other fee (specify) 8001; fee for early, voluntary, or normal 330.00							
SUBMITTED BY (Complete (if applicable)) Name (Print/Type) Edward A. Meilman (Registration No. (Attorney/Agent) 24,735 Telephone (212) 896-5471		*Red	Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 1,660.00							
Name (Print/Type) Edward A. Meilman Registration No. (Attorney/Agent) 24,735 Telephone (212) 896-5471										
(Automety-Agent)					,735					
Signature Electrical Iviay 20, 2004	Signature Eleventh Men	L	Date May 26, 2004							